



P-3724-2-F1-C1-C1-C2

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

This patent application of: Michael J. Sullivan

Patent No.: 6,503,156 B1

Issued: January 7, 2003

Title of Invention: GOLF BALL HAVING MULTI-LAYER COVER WITH UNIQUE OUTER COVER CHARACTERISTICS

Commissioner of Patents
P.O. Box 1450
Alexandria, Virginia
22313-1450

Certificate
SEP 02 2003
of Correction

Dear Sir:

SECOND REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
UNDER 37 C.F.R. 1.322

1. It is noted that a minor typographical error of a clerical nature incurred through the fault of the Patent and Trademark Office appears in this patent as fully described below. A Certificate of Correction is respectfully requested.

2. Attached in duplicate is PTO/SB/44 (also Form PTO-1050), with at least one copy being suitable for printing.

3. The exact page and line number where the errors are shown is:

An error occurs in the Related U.S. Application Data and should be corrected as follows:

"Continuation of application No. 09/776,878, filed on Feb. 2, 2001" should read - -
Continuation of application No. 09/776,278, filed on Feb. 2, 2001- -and,
"now Pat. No. 6,210,393" should read - -now Pat. No. 6,210,293- -

Attached is a copy of the Filing Receipt showing the correct Application No. and correct Patent No.

CERTIFICATE OF MAILING (37 C.F.R. 1.8a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on this 26th day of August, 2003.


Leslie A. Tzivanis

4. Please send the Certificate to:

Michelle Bugbee, Associate Patent Counsel
The Top-Flite Golf Company
425 Meadow Street, P.O. Box 901
Chicopee, MA 01021-0901

5. Since the error was incurred through the fault of the Patent and Trademark Office, no fee is due for this correction. In the event that a fee is due, please charge any fee to Deposit Account No. 17-0150.

Respectfully submitted,
Michael J. Sullivan

Date: August 25, 2003
Customer No. 24492
(413) 322-2937

By: Michelle Bugbee
Michelle Bugbee, Senior Patent Counsel
Reg. No. 42,370
The Top-Flite Golf Company
425 Meadow Street, P.O. Box 901
Chicopee, Massachusetts 01021-0901

Other Enc.: Return Receipt Postcard (MPEP 503)
cc: Richard M. Klein, Esq. (SLD 2 0035-3-3-1-1-1)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,503,156 B1
DATED : January 7, 2003
INVENTOR(S) : Michael J. Sullivan

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(63) "Continuation of application No. 09/776,878, filed on Feb. 2, 2001" should read - - Continuation of application No. 09/776,278, filed on Feb. 2, 2001- -.

And,

"now Pat. No. 6,210,393" should read - - now Pat. No. 6,210,293- -

MAILING ADDRESS OF SENDER: Michelle Bugbee, Senior Patent Counsel
The Top-Flite Golf Company
425 Meadow Street
Chicopee, MA 01013-2234

PATENT NO. 6,503,156 B1

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 6,503,156 B1
DATED : January 7, 2003
INVENTOR(S) : Michael J. Sullivan

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

(12) **United States Patent**
Sullivan

(10) Patent No.: **US 6,503,156 B1**
(45) Date of Patent: ***Jan. 7, 2003**

(54) **GOLF BALL HAVING MULTI-LAYER COVER WITH UNIQUE OUTER COVER CHARACTERISTICS**

(75) Inventor: **Michael J. Sullivan, Barrington, RI (US)**

(73) Assignee: **Spalding Sports Worldwide, Inc., Chicopee, MA (US)**

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **09/873,642**

(22) Filed: **Jun. 4, 2001**

Related U.S. Application Data

(63) Continuation of application No. 09/776,878, filed on Feb. 2, 2001, which is a continuation of application No. 09/470,196, filed on Dec. 21, 1999, now Pat. No. 6,210,393, which is a continuation of application No. 08/870,585, filed on Jun. 6, 1997, now abandoned, which is a continuation of application No. 08/556,237, filed on Nov. 9, 1995, now abandoned, which is a continuation-in-part of application No. 08/070,510, filed on Jun. 1, 1993, now abandoned.

(51) Int. Cl.⁷ **A63B 37/12**
(52) U.S. Cl. **473/374**
(58) Field of Search **473/378, 377, 473/376, 372, 371, 370, 373, 374**

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,741,480 A	4/1956	Smith
2,973,800 A	3/1961	Muccino
3,053,539 A	9/1962	Piechowski
3,264,272 A	8/1966	Rees
3,313,545 A	4/1967	Bartsch
3,372,123 A	3/1968	Brice
3,384,612-A	5/1968	Brandt et al.

3,395,109 A	7/1968	Molitor et al.
3,458,205 A	7/1969	Smith et al.
3,502,338 A	3/1970	Cox
3,534,965 A	10/1970	Harrison et al.
3,572,721 A	3/1971	Harrison et al.

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

CA	2137841	6/1995
EP	0589647	3/1994
EP	0630665	12/1994
EP	0637459	2/1995
GB	494031	10/1938

(List continued on next page.)

OTHER PUBLICATIONS

Bayer Corporation, "Engineering Polymers Properties Guide Thermoplastics and Polyurethanes," brochure, pp. 2-7, 28-29.

A Properties Guide, "Engineering Polymers Thermoplastics and Thermosets," Miles Inc., 1-23 (1994).

Polyurethane Handbook, "Chemistry-Raw Materials-Processing Applications-Properties," edited by Oertel et al., Hanser/Gardner Publications, Inc., 101, 102 (1994).

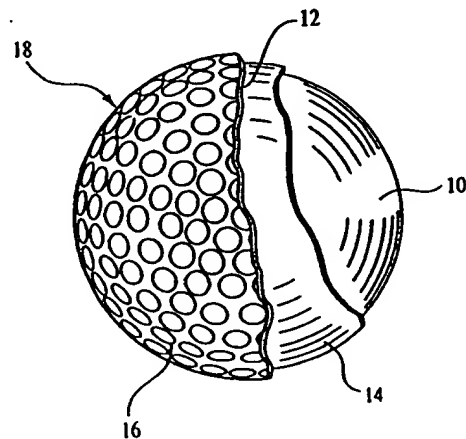
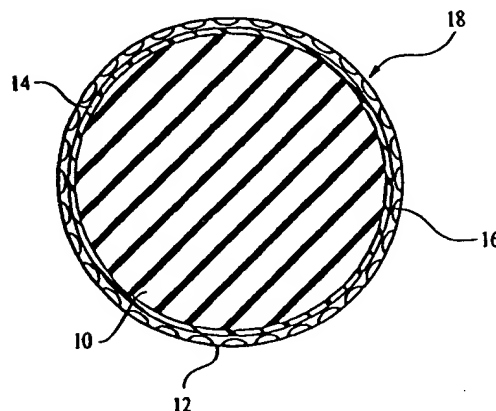
(List continued on next page.)

Primary Examiner—Steven Wong
Assistant Examiner—Racann Gorden

(57) **ABSTRACT**

The present invention is directed to an improved multi-layer golf ball comprising a core, an inner cover layer and an outer cover layer. The inner cover layer is comprised of a low acid ionomer blend which may or may not include a filler such as zinc-stearate. The outer cover layer is comprised of a soft, non-ionomeric thermoplastic or thermosetting elastomer such as polyurethane, polyester or polyesteramide. The resulting multi-layered golf ball of the present invention provides for enhanced distance without sacrificing playability or durability when compared to known multi-layer golf balls.

11 Claims, 1 Drawing Sheet





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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/873,642	06/04/2001	3711	710	P-3724-F1- C1-C3	1	17	3

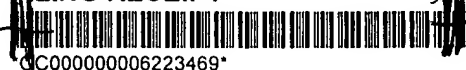
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FILING RECEIPT



CC000000006223469*

Date Mailed: 06/25/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Michael J. Sullivan, Barrington, RI;

Assignment For Published Patent Application

SPALDING SPORTS WORLDWIDE, INC., Chicopee, MA;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A CON OF 09/776,278/02/02/2001
WHICH IS A CON OF 09/470,196 12/21/1999 PAT 6,210,293
WHICH IS A CON OF 08/870,585 06/06/1997
WHICH IS A CON OF 08/556,237 11/09/1995 ABN
WHICH IS A CIP OF 08/070,510 06/01/1993 ABN

Foreign Applications

If Required, Foreign Filing License Granted 06/22/2001

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